

Title (en)
COMPUTERIZED BLOOD GLUCOSE LEVEL ADJUSTMENT SYSTEM

Title (de)
COMPUTERGESTEUERTES SYSTEM ZUR REGELUNG DES BLUTGLUCOSESPIEGELS

Title (fr)
SYSTÈME DE CONTRÔLE GLYCÉMIQUE INFORMATISÉ

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Abstract (en)
[origin: WO2009032553A2] The invention is an apparatus and computerized method of intravenously monitoring a patient's blood chemistry and transmitting real time measurements to an electronically controlled closed loop system that auto-regulates blood osmolality and glucose level with medications infused through a new catheter design. The closed loop system utilizes a glucose algorithm and an osmolality algorithm implemented in hardware and software to control the flow of dextrose, insulin and hypertonic saline to a patient in an effort to achieve better patient outcomes in instances of trauma and illnesses, particularly those that involve brain swelling.

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